

wild in the mountains of Szechuan and is also cultivated in the lowlands. The trees, reaching 15 to 20 feet in height, are grown from seed and produce nuts in five or six years. The oil is pressed from these seeds, and when they are roasted, before being pressed, the oil is more easily extracted. It is better and more is obtained by the latter process. There are several varieties of oil. The yellow or straw-colored one is most exported. The price in this market at present is \$5 gold a picul (33½ pounds). One variety is black and quite thick and is used entirely by the Chinese. It costs \$9 to \$10 a picul.

"The name of the oil differs in various localities, as *tung-yu* and *paik-yu*. The value of this oil is due to its astringent and drying qualities. It is used in paints, fine varnishes, and in the manufacture of fine soaps. During the past two years orders from the United States have been constantly increasing, from both the Atlantic and the Pacific coasts. The export is in its infancy but rapidly increasing. The past year 54,475,900 pounds of wood oil were exported from Hankow. This export is annually increasing, the larger portion going to Europe. Seeds can be obtained about the first of the year from orders filled in Hunan and Szechuan. Some have already been sent to the San Joaquin Valley, in California, to a private individual, where they are growing finely, and have led to a request for about 5,000 more seeds from the same party." See also No. 13104.

10411 to 10419. Vicia faba.**Broad bean.**

From London, England. Received thru William Bull & Sons, Chelsea, S. W., March 3, 1904.

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| 10411. <i>Bull's Mammoth.</i> | 10416. <i>Serille Longpod.</i> |
| 10412. <i>Beck's Dwarf Green Gem.</i> | 10417. <i>Windsor Improved.</i> |
| 10413. <i>Early Longpod.</i> | 10418. <i>Windsor Green Harlington.</i> |
| 10414. <i>Green Longpod Nonpareil.</i> | 10419. <i>Johnson's Wonderful Longpod.</i> |
| 10514. <i>Monarch Longpod.</i> | |

"Broad beans are gross feeders and require a good rich soil and a liberal supply of manure for successful growth. For successional and main crops sow in February, March, and April. The later kinds should be planted in drills 3 inches deep, 4 to 6 inches apart in the rows, the rows to be 2 feet apart. A deep, strong, tenacious soil, liberally manured, is most suitable. Gather for the table when the beans are no larger than full-grown peas, as they become almost uneatable if left to mature, the tegument then being objectionably tough and leathery and the flavor strong. Pick evenly, not young and old together. In England broad beans are subject to black fly, which, if allowed to make headway, will ruin the crop.

"In England the broad bean is one of the best-paying vegetables, and altho it has been successfully grown in America its good qualities have not yet come to be appreciated here. It is worthy of serious consideration." (*Fairchild.*)

10420 to 10435. Vicia faba.**Broad bean.**

From London, England. Received thru James Carter & Co., March 3, 1904.

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| 10420. <i>Carter's New Market Garden Windsor.</i> | 10427. <i>Aquadulce.</i> |
| 10421. <i>Carter's Improved Windsor.</i> | 10428. <i>Minster Giant Longpod.</i> |
| 10422. <i>Carter's Serille Giant Longpod.</i> | 10429. <i>Carter's Harlington Green Windsor.</i> |
| 10423. <i>Carter's Mammoth Longpod.</i> | 10430. <i>Green Windsor.</i> |
| 10424. <i>Early Mazagan.</i> | 10431. <i>Beck's Dwarf Green Gem.</i> |
| 10425. <i>Early Longpod.</i> | 10432. <i>Green Longpod.</i> |
| 10426. <i>Royal Dwarf Fan.</i> | 10433. <i>Carter's Masterpiece Green Longpod.</i> |
| | 10434. <i>Carter's Leviathan.</i> |
| | 10435. <i>Carter's Green Leviathan.</i> |

Plant from November to January for earliest, and from February to May for main crop.